

Application No.: 10/028601

Case No.: 55841US002

Amendments to the Claims:

Please cancel claims 1-10 and 18 as being drawn to an unelected invention. The Applicant reserves the right to further prosecute such claims in a timely filed divisional application.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10 Cancelled

11. (Currently Amended) An optical filter for an accelerated weathering device, the accelerated weathering device having a light source providing illumination, the optical filter comprising:

a lead glass free of visible light absorbing components and having a thickness selected such that illumination passed through the lead glass has

a first ratio of a first total irradiance for wavelengths shorter than 290nm to a second total irradiance for wavelengths between 300nm to 400nm, wherein the first ratio is less than 2.0×10^{-6} ; and

a second ratio of an irradiance at 310nm to the second total irradiance, wherein the second ratio is at least 1.2×10^{-3} .

12. The optical filter of claim 11 wherein the thickness of the lead glass is selected to provide a cut-on wavelength for the illumination passed through the lead glass of between 290nm to 300nm.

13. The optical filter of claim 11 wherein the illumination from the light source includes a spectral component of at least 290nm to 400nm.

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14. The optical filter of claim 11 wherein the illumination from the light source includes an irradiance of between 0.35 W/m^2 and 1.31 W/m^2 at 340nm.

15. (Currently Amended) An optical filter for an accelerated weathering device, the accelerated weathering device having a light source providing illumination to pass through the optical filter and become filtered illumination, the optical filter comprising:

a lead glass free of visible light absorbing components and having a thickness selected such that the filtered illumination has

a cut-on wavelength of between 290nm and 300nm; and

a ratio of an irradiance at 310nm to a total irradiance for wavelengths between 300nm and 400nm wherein the ratio is at least 1.2×10^{-3} .

16. (Currently Amended) An optical filter assembly for an accelerated weathering device, the accelerated weathering device having a light source providing illumination, the optical filter assembly comprising:

an ultraviolet transmissive optical filter;

a lead glass free of visible light absorbing components operably coupled to the ultraviolet transmissive optical filter, the lead glass having a thickness selected such that illumination passed through the optical filter assembly has

a first ratio of a first total irradiance for wavelengths shorter than 290nm to a second total irradiance for wavelengths between 300nm to 400nm, wherein the first ratio is less than 2.0×10^{-6} ; and

a second ratio of an irradiance at 310nm to the second total irradiance, wherein the second ratio is at least 1.2×10^{-3} .

17. The optical filter assembly of claim 16 wherein the ultraviolet transmissive optical filter provides at least 60% transmission of light at 250nm and at least 80% transmission of light at 300nm.

18. (withdrawn)